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philosophy in 1899. In addition to his teaching at the Massachusetts Institute of Technology he has been extensively occupied with expert work for various mining and manufacturing chemical concerns. He also carried out a large quantity of research work of a purely scientific character.

Professor Warren is a member of the American Academy of Arts and Sciences and of the Geological Society of America. He is also a member of the Yale Chapter of the honorary society of Sigma Xi. His published works include "A Manual of Determinative Mineralogy" (1910), and contributions to American and German technical journals.

Dr. Russell H. Chittenden has been a member of the Yale faculty since his graduation from the Sheffield Scientific School forty-seven years ago. He has been head of the Sheffield Scientific School since 1898, when he succeeded Professor George Jarvis Brush, first director of the school. Dr. Chittenden offered his resignation to be effective a year ago, but conceded to a wish that he spend another year in office until a suitable successor might be found.

### SCIENTIFIC NOTES AND NEWS

THE joint meeting of the American Association for the Advancement of Science and its Pacific Division is being held this week at Salt Lake City. The address of the president of the Pacific Division, Dr. Barton W. Evermann, given on Thursday evening, is on "The conservation and proper use of our natural resources." At the dinner on Friday evening, Professor James Harvey Robinson gives an address on "The humanizing of knowledge."

THE gold medal of the Linnean Society of London, which is given in alternative years to a botanist and a zoologist, was this year awarded to Professor E. B. Poulton at the anniversary meeting on May 24. In making the presentation, the president, Dr. A. Smith Woodward, referred to Professor Poulton's long labors in entomology, and his keepership of the Hope Collection at Oxford.

THE Charles P. Daly medal of the American Geographical Society for 1922 has been awarded to Lieutenant Colonel Sir Francis Younghusband, president of the Royal Geographical

Society. It has been forwarded through the Department of State for presentation at London by the American ambassador. The medal bears the inscription: "Lieutenant Colonel Sir Francis Younghusband for explorations in northern India and Tibet and for geographical publications on Asiatic and African borders of the Empire."

RUTGERS COLLEGE has conferred the degree of doctor of science on Mr. Thomas A. Edison.

AT its annual commencement held on June 6, the University of Utah conferred the honorary degree of doctor of laws on James E. Talmage, who was formerly president of, and professor of geology in, the institution. On the same occasion the honorary degree of doctor of science was conferred on Dorsey Alfred Lyon, of the U. S. Bureau of Mines.

THE University of Maryland at its commencement on June 10 conferred the honorary degree of doctor of science upon Eugene Amandus Schwarz, honorary custodian of coleoptera in the U. S. National Museum. Mr. Schwarz began official work as a specialist in beetles for the Division of Entomology under the U. S. Commissioner of Agriculture in 1878.

AT the commencement of the University of Pittsburgh on June 14, the honorary degree of doctor of laws was conferred upon Mr. Alfred Cotton Bedford, chairman of the board of directors of the Standard Oil Company of New Jersey. This honor was bestowed upon Mr. Bedford in recognition of his activities in the development of the American petroleum industry and for his foresight in the encouragement of the application of scientific research.

PROFESSOR H. O. HOFMAN, professor of mining and metallurgy at the Massachusetts Institute of Technology, and Professor A. E. Burton, dean and professor of topographical engineering, have retired from active service.

PROFESSOR OAKES AMES has resigned as director of the Harvard Botanic Garden. It is expected that he will continue as assistant professor of botany at the Bussey Institution.

PROFESSOR E. KRAEPELIN has asked to be relieved from delivering the course on psychiatry at the University of Munich, as he wishes to devote all his energies to research on psychiatry

at the special institution for this purpose, which is practically his creation.

RECENT appointments to industrial fellowships in the Mellon Institute of Industrial Research of the University of Pittsburgh include the following: E. R. Clark, B.A. (Yale); H. E. Dierich, A.B. (Kansas); Marc Darrin, B.S. and M.S. (Washington); O. B. J. Fraser, B.S. (Queen's); A. W. Harvey, B.S. (Syracuse), M.S. and Ph.D. (Pittsburgh); C. R. Texter, B.S. (Pennsylvania State); and B. B. Wescott, B.S. and M.S. (Pittsburgh).

ALEXANDER WEINSTEIN, Ph.D., now holding the Sigma Xi fellowship and working in the laboratory of Professor T. H. Morgan at Columbia University, has been appointed to a Johnston scholarship in the Johns Hopkins University.

DR. ALEŠ HRDLÍČKA, curator of the Division of Anthropology of the Smithsonian Institution, has consented to serve the Children's Bureau of the United States Department of Labor in an advisory capacity on matters related to the field of anthropology.

PROFESSOR WILLIAM TRELEASE, of the department of botany in the University of Illinois, sailed for Europe on June 3, to complete an intensive study of certain plant groups. Professor Trelease will visit herbaria at Kew, Paris, Geneva, Berlin, Stockholm and Copenhagen.

DR. ALBERT JOHANNSEN, professor of petrology in the University of Chicago, will spend the summer in Europe, doing geological work and visiting various universities. He sailed from New York on June 21.

PROFESSOR OLAF P. JENKINS, of the State College of Washington, is to take charge of geological investigations of the coal of Whatcom and Skagit counties, Washington, for the State Division of Geology, Department of Conservation and Development.

HARLAN I. SMITH, archeologist of the Victoria Memorial Museum of Ottawa, is at Bella Coola, British Columbia, continuing his investigations into the material culture of the Bella Coola Indians.

DR. VERNON KELLOGG, permanent secretary

of the National Research Council, gave the annual Phi Beta Kappa address at the University of Virginia on June 13.

ON June 7, Dr. D. S. Jordan delivered the commencement address to the University of Denver, Colorado, his subject being "The melting pot."

ON June 11, Dr. H. P. Nichols, rector of Holy Trinity Church, New York, delivered the baccalaureate address at the University of Colorado. He took as his subject "Evolution, and its highest product, man."

PROFESSOR ERNST FUCHS, of Vienna, gave a Mayo Foundation lecture at the Mayo Clinic June 9. His subject was "Syphilis and its relation to diseases of the eye." On June 1 Dr. H. Berglung, of the department of biochemistry, Harvard Medical School, lectured on "The chemistry of the nonprotein nitrogen of the blood."

ON June 16, Mr. Edward R. Weidlin, director of the Mellon Institute of Industrial Research of the University of Pittsburgh, addressed the fourth annual convention of the National Lime Association on "The value of research to industrial associations." This convention was held in Cleveland, Ohio.

A PUBLIC meeting of the British National Union of Scientific Workers was held at University College, London, on June 15, when an address was given by Mr. F. W. Sanderson, headmaster of Oundle, on "The duty and service of science in the new era." The chair was taken by Mr. H. G. Wells.

THE Yale Corporation has voted that the Botanical Garden shall be known as the Marsh Botanical Garden, in order that the memory of Othniel C. Marsh and of his generosity to the university may be more effectively perpetuated. Othniel C. Marsh was a graduate of Yale College in the class of 1860 who became the first professor of paleontology in the university. Professor Marsh died in 1899, bequeathing to the university his former residence, which has since been used as the School of Forestry. The Botanical Garden is connected with this school.

JAMES MCMAHON, emeritus professor of mathematics at Cornell University, died on June 1, at the age of sixty-six years.

DR. EDWARD HALL NICHOLS, professor of clinical surgery in the Harvard Medical School, died on June 12, aged fifty-nine years.

DR. W. H. R. RIVERS, of the University of Cambridge, known for his work in anthropology and psychology, died on June 4, at fifty-eight years of age.

*Nature* notes that the first meeting of the "Institut International de Chimie Solvay" was held in Brussels on April 20-27, under the presidency of Sir William Pope. It will be remembered that before the war the late M. Ernest Solvay set aside a capital sum to be expended in the course of thirty years by the International Institute of Physics, and that meetings under the auspices of this institute have been held in Brussels both before and since the war. More recently M. Solvay set aside a further capital sum of one million francs, also to be expended in thirty years, for the promotion of the science of chemistry. The meetings of the institute are attended by delegates from different countries, the number being limited to about thirty, so that the discussions may be as free and as informal as possible. The recent meeting was devoted to the consideration of a number of those questions which affect the foundations of modern chemistry, and its program included the presentation of papers on isotopes, by Soddy, by Aston, and by Perrin and Urbain; on X-ray analysis and molecular structure, by W. H. Bragg; on the electronic theory of valency, by Mauguin; on optical activity, by Pope and by Lowry; and on chemical mobility, by Job.

THE *Journal* of the American Medical Association, quoting from the *Preusa Medica*, describes the centennial of the foundation of the Academia Nacional de Medicina at Buenos Aires, April 18. The rector of the university, Dr. José Arce, presided. The historical address was delivered by the president of the academy, Dr. Eliseo Canton. Among the announcements made was that of the institute of experimental medicine, the first of its kind to be founded in South America. A prize of a gold medal and \$5,000 was awarded to Dr. P. Belou for his "Stereoscopic Atlas of the Anatomy of the Ear"; a silver medal and \$3,000 to

Dr. C. Lagos García for his work, "Human Sexual Malformations," and a copper medal and \$2,000 to Dr. F. Garzón Maceda for his "Manual of Zoopharmacy." A work by Dr. P. P. Rojas on the structure of the myocardium received honorable mention. Three days were devoted to the centennial ceremonies.

DR. R. S. MCBRIDE, secretary of the Gas and Fuel Section of the American Chemical Society, announces that the new section will meet with other sections of the society at the fall meeting to be held in Pittsburgh September 4 to 9. Among the topics to be discussed will be the general subject, "Combustion," in the form of a special symposium to be conducted under the chairmanship of Professor R. T. Haslem, of Massachusetts Institute of Technology. It will include a program of papers on chemical methods underlying fuel utilization. Officers of the section are: Dr. A. C. Fieldner, Bureau of Mines, Pittsburgh, *chairman*, and R. S. McBride, Colorado Building, Washington, D. C., *secretary*. Dr. McBride has requested that any members of the society having papers to present at the meeting of this section should forward them in full or in abstract form to the chairman or secretary or should notify these officers regarding their intention to prepare the papers.

THE following resolution was passed by the faculty meeting of Kenyon College, on May 29: "Voted that the faculty deplores agitation against the explanation of natural phenomena known as the theory of evolution, and regards such propaganda as dangerous to scholarship, education and the progress of civilization."

A GIFT of £10,000 has been made to aid cancer research by Mr. and Mrs. G. F. Todman, of Sydney, N. S. W., in memory of their daughter. At the request of the donors Sir Joseph Hood, M.P., has allocated the sum as follows: £4,000 to the Imperial Cancer Research Fund, Queens Square, Bloomsbury; £1,000 each to the Middlesex Hospital, the Cancer Hospital, Fulham Road, London, the Christie Hospital, Manchester, the MacRobert Endowment, Aberdeen University, and the Cancer Hospital, Glasgow; and £500 each to the Radium Institutes of London and of Manchester.